

8 Port Gigabit Desktop Switch

User Manual

English

LINDY No. 25044

www.lindy.com



For Commercial Use Only!
Tested to Comply with FCC Standards



Introduction

Thank you for purchasing the LINDY 8 Port Gigabit Desktop Switch. This high-performance network switch is ideal for use in High Speed networks. Its small footprint design means it can easily fit on your desktop without taking up too much space.

All of the switch's ports are capable of 10, 100 or 1000Mbps auto-negotiation, whilst its 10/100/1000Mbps auto-sensing capability provides the easiest, most hassle-free way to migrate from a Fast Ethernet to a Gigabit Ethernet network.

This switch delivers a dedicated 10/100/1000Mbps connection to every attached client with no bandwidth congestion issues. It also supports auto MDI/MDI-X functionality - each port can be used to connect to another switch or hub without the need for crossover cables!

The switch uses store-and-forward architecture to filter and forward data after each packet has been received and examined to be free of errors. All ports support full and half-duplex operation which doubles the network bandwidth and allows the simultaneous transmission and reception of data.

The switch provides 9kB Jumbo frame support which can improve network performance by allowing more data to be sent per transmitted frame.

Specifications

- Standards: IEEE 802.3 10Base-T, 802.3u 100Base-TX, 802.3ab 1000Base-T, 802.3x Full Duplex & Flow Control
- Ports: 8 x RJ45 10/100/1000Mbps Gigabit Ethernet
- Auto MDI/MDI-X (Auto crossover)
- Network speed: 10/100/1000Mbps & Full/Half-duplex mode auto detection (1000Mbps Full duplex only)
- Switching Architecture: Store and Forward
- MAC Address Table: 8k MAC entries
- Buffer Memory: 144kB
- Nway Auto-negotiation: All ports
- Dimensions: 155 x 85 x 27 mm (WxDxH)
- Weight: 0.355kg
- Power Supply: 12V DC, ~1A / 100...240VAC with Multi Country Adapters (EUR, UK, US, AUS)
- Operating Temperature: 10-45°C
- Operating Humidity: 10-80% (Non-condensing)
- Cable Requirements: Gigabit 1000Base-T requires RJ45 STP/UTP, Cat. 5e or higher

Packing List

- 8 Port Gigabit Desktop Switch
- External Switching Type Power Supply with Multi-country adapters (EU, UK, US, AUS)
- This user manual

LED Indicators

LED	Status	Operation
POWER	On	Power is on
	Off	Power is off
Link/Act	Flashing	Port is transmitting or receiving data
	On	Connected but not transmitting or receiving data

Installation

Operating Environment

- This switch must be installed and operated within the limits of the specified operating temperature and humidity (see the **Specifications** section)
- Do not place objects on top of the unit. Do not obstruct any vents on the unit
- Do not position the switch in direct exposure to the sun, or near any heat source such as a heater, radiator etc.
- Prevent water and moisture entering the unit. If necessary, use a dehumidifier to reduce humidity.

Connecting Network Devices

1. This switch features Auto MDI/MDI-X RJ45 ports for easy connection to other network devices using straight-through type network patch cable, cross over cables are not required.
2. The network patch cables must comply with the Category 5 standard or higher for 10 and 100Mbps data transmission, and at least Category 5e for 1000Mbps transmission.
3. Please be aware that the maximum length of any Ethernet segment is 100m. If you are connecting the switch to a patch panel, a maximum 5m of cable should be used to connect the switch to the panel; similarly any equipment connected to the switch should also use a maximum of 5m cable, per device. Installation cabling may use the remaining length. Using higher specification network cable may increase this to a certain extent.
4. Connect the power adapter to the mains and to the power socket on the switch.

Troubleshooting

The power LED is not lit

- Check the power adapter is properly connected to both the mains outlet and the switch and that the power at the mains socket is switched on!

The 1000M Link LED is not lit when connected to a 1000Mbps device

- Check the network cable. Make sure it is properly connected to the switch and to the network device. The segment length must be below 100 metres (see remark in **Installation**) and all cables and connectors in between must be at least category 5e compliant. We recommend the use of professionally manufactured cables with this product to ensure full Gigabit compatibility (**Cables which are self-made may be non-compliant with Gigabit specifications and requirements!**)
- Should problems persist connect a local 1000Base-T device to check that the port is working correctly. If this works correctly it is probable that the network segment you want to use contains equipment which is not 1000Base-T compliant. Check the network segment and replace non-complaint equipment with higher specification cables and connectors where required.
- If you experience any other problems with the switch please contact your supplier or LINDY.

WEEE , Recycling of Electronic Products



Europe

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment.

Instead, these products must enter the recycling process. Each individual EU member state has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic products. More details can be obtained from your national WEEE recycling agency.

Germany / Deutschland

Die Europäische Union hat mit der WEEE Richtlinie umfassende Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden von der Bundesregierung im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet vom 24. März 2006 an das Entsorgen von Elektro- und Elektronikgeräten über die Hausmülltonne! **Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden!** Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

Radio Frequency Energy, Certifications

FCC Warning

This Equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received; including interference that may cause undesired operation.

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